# GOVERNMENT OF INDIA
# URBAN DEVELOPMENT
# LOK SABHA

UNSTARRED QUESTION NO:1284
ANSWERED ON:23.11.2016
Metro Rail Projects
Chandel Kunwar Pushpendra Singh;K. Shri Parasuraman;Kaushik Shri Ramesh Chander;Pathak Smt. Riti;Raj Dr. Udit;Thomas Prof. Kuruppassery Varkey;Vichare Shri Rajan Baburao

**Will the Minister of URBAN DEVELOPMENT be pleased to state:**

Will the MINISTER OF URBAN DEVELOPMENT be pleased to state:
(a) the details of metro rail proposals received by the Government during each of the last three years and the current year, stretch, city and State/ Union Territory-wise along with the estimated cost of each stretch;

(b) the details of proposals cleared and lying pending stretch, city and State-wise along with the reasons for pendency and the time by which pending proposals are likely to be cleared;

(c) the funds sanctioned, released and utilized during the above period for various projects, stretch, city and State/Union Territory-wise;

(d) the progress of various under construction and sanctioned metro rail stretches and the time by which these are likely to be completed and operationalized, stretch and city-wise;

(e) whether foreign agencies/countries are providing assistance financial or otherwise to various metro rail projects and if so, the details thereof; and

(f) whether various metro rail projects are going behind schedule and if so, the details thereof, stretch and city-wise and the details thereof, stretch and city-wise and the details of cost escalated as a result thereof along with the steps taken/being taken to complete these projects within a reasonable period of time?

## Answer

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT
(RAO INDERJIT SINGH)

(a) & (b) : The details of metro rail proposals received/ sanctioned/pending during the last three years and the current year along with the names of stretch and the estimated cost stretch wise, State/UT-wise are given in Annexure-I & IA.

(c) The details of funds sanctioned / released by the Government of India and utilization of funds by Metro Companies during the last three years and current year are given in Annexure-II.

(d): The details of progress of under construction and sanctioned metro rail stretches and the time by which these are likely to be completed are given in Annexure-III.

(e) The details of foreign assistance provided by foreign agencies/countries to various metro rail projects are given in Annexure-IV.

(f) Bangalore and Chennai Metro Rail Projects are running behind schedule. The details of these two metro rail projects along with reasons of delay are given in Annexure-V. The approved project cost of Bangalore Metro Project Phase-1 was revised in July, 2015 from Rs.11,609.00 crore to Rs.13,845.01 crore due to increase in land cost, system work including depot and fluctuations in foreign currency. There is no escalation of project cost of Chennai Metro Rail Project.

Annexure-I
ANNEXURE-I REFERRED TO IN REPLY TO PART (a) & (b) OF THE LOK SABHA UNSTARRED QUESTION NO. 1284 FIXED FOR ANSWER ON 23.11.2016 REGARDING METRO RAIL PROJECTS ASKED BY SHRI RAMESH CHANDER KAUSHIK, SHRIMATI RITI PATHAK, PROF. K.V. THOMAS, DR. UDIT RAJ,SHRI KUNWAR PUSHPENDRA SINGH CHANDEL,SHRI RAJAN VICHARE, SHRI K. PARASURAMAN.

DETAILS OF THE PROPOSALS RECEIVED/SANCTIONED/PENDING AND REASONS FOR PENDENCY DURING THE LAST THREE YEARS AND CURRENT YEAR WITH ESTIMATED COST OF PROJECTS
<pre>
State/UT from which Proposal received Project Stretch of the Project Estimated/ Approved Cost
(Rs in crore) Sanctioned/ not-sanctioned Reason for Pendency & time by which the proposals are likely to be cleared
Maharashtra Mumbai Metro Line 3 The information is attached at annexure IA. 23,136.00 Sanctioned

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Karnataka Bangalore Metro Rail Project Phase-2 26,405.14 Sanctioned
Rajasthan Jaipur Metro Rail Project Phase-1 3,149.00 Sanctioned
Gujarat Ahmadabad Metro Rail Project Phase-1 10,773.00 Sanctioned
Maharashtra Nagpur Metro Rail Project 8,680.00 Sanctioned
Uttar Pradesh Lucknow Metro Phase 1A 6,928.00 Sanctioned
Tamil Nadu Extension of Chennai Metro 3,770.00 Sanctioned
Andhra Pradesh Vijayawada Metro Project (Including Land Cost) 6,823.00* Not yet Sanctioned#

Sanction of Metro Rail projects is an ongoing process which requires extensive consultations with all stakeholders. No time limit can be specified for sanction of Metro Rail projects. Therefore, there is no pendency.

Uttar Pradesh Metro Extension from Noida City Centre to Sector 62 Noida 2,079.00* Not yet Sanctioned
Uttar Pradesh Kalindi Kunj to Botanical Garden, Noida 1,074.00* Not yet Sanctioned
Uttar Pradesh Metro Connection between Noida and Greater Noida 5,503.00* Not yet Sanctioned
NCT of Delhi Extension of Najafgargh -Dhansa 602.00* Not yet Sanctioned
Maharashtra Pune Metro Rail Project Phase-I 11,420.00* Not yet Sanctioned#
Kerala Kochi Metro Project Phase-IB 2,024.00* Not yet Sanctioned
Kerala Light Metro Rail Project − Thiruvananthapuram 4354.00* Not yet Sanctioned
Kerala Light Metro Rail Project − Kozhikode 2590.00* Not yet Sanctioned
Madhya Pradesh Indore Metro Project 7,523.00* Not yet Sanctioned
Bhopal Metro Project 6,963.00* Not yet sanctioned
Bihar Patna Metro Project(Including Land Cost & State Taxes) 16,960.00* Not yet Sanctioned
Assam Guwahati Metro Project 18,020.00* Not yet Sanctioned
# Accorded in-principle approval without any financial commitment from Government of India; *Estimated cost
State/UT from which Proposal received Project Stretch of the Project Estimated/ Approved Cost
(Rs in crore) Sanctioned/ not-sanctioned Reason for Pendency & time by which the proposals are likely to be cleared

Uttar Pradesh
Kanpur Metro Project The information is attached at annexure IA. 17,879.00* Not yet Sanctioned
Varanasi Metro Project 18,125.00* Not yet Sanctioned
Andhra Pradesh Vishakhapatnam Metro Rail Project 9,736.00* Not yet Sanctioned State Government has sent the proposal for taking up the project on PPP^^ mode.
Chandigarh, Haryana, Punjab. Metro Rail Project in Greater Chandigarh Region 13,909.00* Not yet Sanctioned DPR^ has been returned to Chandigarh Administration to resubmit the revised DPR^.
Uttar Pradesh Extension of Delhi Metro from Dilshad Garden to Ghaziabad (New Bus Adda) 1,770.00* Not yet Sanctioned The approval of State Government has not been received.
NCT of Delhi Extension of Metro from Badli to Siraspur 215.00* Not yet Sanctioned Approval of GNCTD** has not been received.
Maharashtra Mumbai Metro line 2A (State Govt. Project) 5,925.00 - The State Government has only sought sovereign loan assistance. MoUD has recommended to Department of Economic Affairs, Ministry of Finance for consideration of the same.
Maharashtra Mumbai Metro line 7 (State Govt. Project) 5,877.00 -
NCT of Delhi Delhi Metro Phase −IV 55,208.00* Not yet sanctioned DPR^ returned to DMRC to resubmit after clear-cut approval of GNCTD and DMRC.
Kerala Kochi Metro Phase-1 Extension 420.00* - Proposal has been returned to the State Government of Kerala to take up the project with their own funding in terms of earlier Memorandum of Understanding.
*Estimated cost; **Government of National Capital Territory of Delhi; ^Detailed Project Report; ^^ Pubic Private Partnership.
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Annexure- IA

ANNEXURE-IA REFERRED TO IN REPLY TO PART (a) & (b) OF THE LOK SABHA STARRED QUESTION NO. 1284 FIXED FOR ANSWER ON 23.11.2016 REGARDING METRO RAIL PROJECTS ASKED BY SHRI RAMESH CHANDER KAUSHIK, SHRIMATI RITI PATHAK, PROF. K.V. THOMAS, DR. UDIT RAJ,SHRI KUNWAR PUSHPENDRA SINGH CHANDEL,SHRI RAJAN VICHARE, SHRI K. PARASURAMAN.

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STRETCHES OF THE METRO PROJECTS
Mumbai Metro Line 3
Mumbai Metro Line 2A
Mumbai Metro Line 7 Colaba − Bandra-SEEPZ
Dahisar(E)- D.N. Nagar
Andheri (E)- Dahisar(E)
Bangalore Metro Rail Project Phase 2 a. Eastern Extension of E-W line: Mysore Road Terminal − Kengeri.
b. Eastern Extension of E- W line : Baiyappanahalli to ITPL − Whitefield
c. Northern Extension of N-S Line: Hesaraghatta Cross − BIEC
d. Southern Extension of N-S line : Puttenahalli Cross - Anjanapura Township (up to NICE Road)

e. New Line : N-S : IIMB - Nagawara
f. New Line − E-W : R.V. Road - Bommasandra
Jaipur Metro Rail Project Phase-1(State owned project) Mansarovar - Badi Chaupar
Ahmadabad Metro Rail Project Phase-I (i) North South Corridor : APMC − Motera Stadium
(ii) East West Corridor : Thaltej Gam − Vastral Gam
Nagpur Metro Rail Project Line 1 (North South corridor) : Automotive Square − MIHAN
Line 2 (East West corridor) : Prajapati Nagar − Lokmanya Nagar
Lucknow Metro Phase 1A CCS Airport-Munsi Pulia
Extension of Chennai Metro Washermenpet − Wimco Nagar
Pune Metro Rail Project Phase-I Corridor-1 : PCMC - Swargate
Corridor-2 :Venaz - Ramwadi
Extension of Delhi Metro from Dilshad Garden to Ghaziabad (New Bus Adda) Dilshad Garden - Ghaziabad New Bus Adda
Metro Extension from Noida City Centre to Sector 62 Noida Noida City Centre - Noida Sector 62
Kalindi Kunj to Botanical Garden Kalindi Kunj - Botanical Garden, Noida
Extension of Najafgarh − Dhansa Najafgarh − Dhansa
Extension of Metro from Badli to Siraspur Badli − Siraspur
Metro connection between Noida and Greater Noida Noida City Centre - Greater Noida
Delhi Metro Rail Project
Phase-IV (i) Aerocity - Tughlakabad Corridor
(ii) Lajpat Nagar - Saket, G Block Corridor
(iii) Inderlok - Indraprastha Corridor
(iv) Janakpuri West - R.K. Ashram Corridor
(v) Mukundpur - Maujpur
(vi) Rithala − Bawana − Narela
Kochi Metro Phase-1 Extension Petta - SN Junction
Vijayawada Metro Project (i) Pandit Nehru Bus Terminal - Penamaluru
(ii) Pandit Nehru Bus Terminal − Nidamanuru
Vishakhapatnam Metro Project (i) Gajuwaka Junction- Kommadi Junction
(ii) Gurudwara −Old Post Office
(iii) Tadichetlapalem-junction − East Point
Kerala Light Metro Rail Project − Thiruvananthapuram Technocity Station − Karamana Station

Kerala Light Metro Rail Project − Kozhikode Medical College − Meenchanda
Kochi Metro Rail Project(Phase-IB) Jawaharlal Nehru Stadium I Info Park via Kakkanad
Great Chandigarh Region Metro Rail Project (i) Capital to Gurudwara Singh Shaheeda
(ii) Transport Terminus to Grain Market
Bhopal Metro Project (i) Corridor-1: Karond Square to AIIMS
(ii) Corridor-2: Bhadbhada Square to Ratnagiri Tiraha
Indore Metro Project Bengali Square via Palasia, Bhawarsala, Gandhi Nagar, Vijay Nagar, Radison, Khajrana to Bengali Square (Ring type)
Patna Metro Project (i) East-West Corridor: Danapur − Mithapur via Patna Railway Station.
(ii) North-South Corridor: Patna Railway Station − New ISBT via Gandhi Maidan, PMC, Rajendra Nagar Railway Station.
Kanpur Metro Project (i) Corridor-1: IIT Kanpur to Naubasta.
(ii) Corridor-2: Agriculture University to Barra-8
Varanasi Metro Project (i) Corridor-1: BHEL to BHU.
(ii) Corridor-2: Benia Bagh to Sarnath.
Guwahati Metro Project (i) Danapur to Narengi
(ii) Khanapara to Guwahati Railway Station.
(iii) Guwahati University to Khanapara.
(iv) ISBT to Paltan Bazar
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Annexure-II

ANNEXURE-II REFERRED TO IN REPLY TO PART (c) OF THE LOK SABHA UNSTARRED QUESTION NO. 1284 FIXED FOR ANSWER ON 23.11.2016 REGARDING METRO RAIL PROJECTS ASKED BY SHRI RAMESH CHANDER KAUSHIK, SHRIMATI RITI PATHAK, PROF. K.V. THOMAS, DR. UDIT RAJ,SHRI KUNWAR PUSHPENDRA SINGH CHANDEL,SHRI RAJAN VICHARE, SHRI K. PARASURAMAN.

DETAILS OF FUNDS SANCTIONED AND RELEASED BY GOVERNMENT OF INDIA AND UTILISATION OF FUNDS ON 50:50 JOINT VENTURE BETWEEN GOVERNMENT OF INDIA (GOI) AND THE CONCERNED STATE/ UT GOVERNMENTS
<pre>
(RS. IN CRORE)
STATE/UT PROJECT FUNDS SANCTIONED** DURING THE LAST THREE YEARS
(2013-2016)
FUNDS RELEASED** AND UTILISED DURING THE LAST THREE YEARS
(2013-2016) FUNDS SANCTIONED** IN THE CURRENT YEAR
(2016-17) AMOUNT RELEASED** AND UTILIZED IN THE CURRENT YEAR
(up to 11.11.2016)

NCT of Delhi Delhi Metro Phase II & III

10646.93

10636.66

7079.41

6987.46

NCT of Delhi
and Haryana Extension of Delhi Metro to YMCA Chowk, Faridabad

NCT of Delhi
Dwarka to Najafgarh
NCT of Delhi Yamuna Vihar to Shiv Vihar
NCT of Delhi Mundka to Bahadurgarh
Maharashtra Mumbai Metro Line 3
318.07 173.56 500.00 500.00
West Bengal Kolkata East-West Metro Corridor # 10.04 10.00 0.02 0.00
Karnataka Bangalore Metro Rail Project Phase 1 & 2 3986.54 3462.16 667.17 541.77
Kerala Kochi Metro Rail Ltd. 1329.95 1309.95 450.00 434.00
Tamil Nadu Chennai Metro Phase-1 4903.13 4772.54 1587.00 1198.00
Rajasthan Jaipur Metro Project Phase-1* 50.30 0.00 0.03 0.00
Gujarat Ahmadabad Metro Rail Project Phase-1 366.29 366.26 660.00 186.00
Maharashtra Nagpur Metro Rail Project 85.47 84.97 603.00 269.25
Uttar Pradesh Lucknow Metro Project
155.92 140.92 410.00 160.00
** Includes Equity, Subordinate Debt and Pass Through Assistance; # Project transferred to Ministry of Railways, *State owned Project;
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Annexure-III

ANNEXURE-III REFERRED TO IN REPLY TO PART (d) OF THE LOK SABHA STARRED QUESTION NO. 1284 FIXED FOR ANSWER ON 23.11.2016 REGARDING METRO RAIL PROJECTS ASKED BY SHRI RAMESH CHANDER KAUSHIK, SHRIMATI RITI PATHAK, PROF. K.V. THOMAS, DR. UDIT RAJ,SHRI KUNWAR PUSHPENDRA SINGH CHANDEL,SHRI RAJAN VICHARE, SHRI K. PARASURAMAN.

DETAILS OF PROGRESS OF UNDER CONSTRUCTION AND SANCTIONED METRO PROJECTS BEING IMPLEMENTED ON 50:50 JOINT VENTURE OF GOVT. OF INDIA AND STATE /UT GOVERNMENT AND LIKELY DATE OF COMPLETION OF METRO PROJECTS.

<pre>
STATE/UT PROJECT APPROVED COMPLETION DATE PHYSICAL PROGRESS
(As on 31.10.2016)
NCT of Delhi Delhi Metro Phase II & III December, 2016
(in stretches) 78%
NCT of Delhi
and Haryana Extension of Delhi Metro to YMCA Chowk, Faridabad

NCT of Delhi
Dwarka to Najafgarh
NCT of Delhi Yamuna Vihar to Shiv Vihar
NCT of Delhi
Mundka to Bahadurgarh
Maharashtra Mumbai Metro Line 3 December, 2019 7%
Karnataka Bangalore Metro Rail Project Phase I & II Phase -1: Dec., 2015.

Phase-2: 5 years from the date of start of work. Phase−I 99.45%
Phase-II 6.35%

Kerala Kochi Metro Rail Ltd. 4 years from date of start work. 77%
Tamil Nadu Chennai Metro Phase-1 December, 2015 88.50%
Chennai Extension Metro Rail Project March, 2018 0.50%
Gujarat Ahmadabad Metro Rail Project Phase-1 March, 2018 16%
Maharashtra Nagpur Metro Rail Project March, 2018 20.50%
Uttar Pradesh Lucknow Metro Rail Project 5 years from date of start work. 42.49%
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Annexure-IV

ANNEXURE-IV REFERRED TO IN REPLY TO PART (e) OF THE LOK SABHA UNSTARRED QUESTION NO. 1284 FIXED FOR ANSWER ON 23.11.2016 REGARDING METRO RAIL PROJECTS ASKED BY SHRI RAMESH CHANDER KAUSHIK, SHRIMATI RITI PATHAK, PROF. K.V. THOMAS, DR. UDIT RAJ,SHRI KUNWAR PUSHPENDRA SINGH CHANDEL,SHRI RAJAN VICHARE, SHRI K. PARASURAMAN.

DETAILS OF FOREIGN ASSISTANCE TO METRO PROJECTS BEING IMPLEMENTED ON 50:50 JOINT VENTURE OF GOVT. OF INDIA AND STATE /UT GOVERNMENT.

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Sl
No
Name of the Project Amount of Loan
Japan International Co-operation agency
(Rs. in crore) Agence Francaise
De Development European Investment Bank KFW Germany
1. Delhi Mass Rapid Transport System
Phase-I
Phase-II
Phase-III

6356.45
10231.62
19,335.00 - - -
2. Bangalore Metro Rail Project
(Phase-I) 3670.00 110.00
Million Euros - -
Bangalore Metro Rail Project
(Phase-II) - 200.00
Million Euros 600.00
Million Euros* -
3. Chennai Metro Rail Project
8,646.00 - - -
Chennai Metro project Extension 2141.00* - - -
4. Kochi Metro Rail Project - 180.00
Million Euros - -
5. Mumbai Metro Line-3
(Colba-Bandra-SEEPZ) Corridor 13,235.00 - - -
7. Lucknow Metro Rail Project - - 450.00 Million Euros -
8. Ahmadabad Metro Rail Project 5,968.00 - - -
9. Nagpur Metro Rail Project - 130.00 Million Euros - 500.00 Million Euros
10. Kolkata East West Metro 2,253.00 - - -

*Proposed

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Annexure-V

ANNEXURE-V REFERRED TO IN REPLY TO PART (f) OF THE LOK SABHA UNSTARRED QUESTION NO. 1284 FIXED FOR ANSWER ON 23.11.2016 REGARDING METRO RAIL PROJECTS ASKED BY SHRI RAMESH CHANDER KAUSHIK, SHRIMATI RITI PATHAK, PROF. K.V. THOMAS, DR. UDIT RAJ,SHRI KUNWAR PUSHPENDRA SINGH CHANDEL,SHRI RAJAN VICHARE, SHRI K. PARASURAMAN.

DETAILS OF ONGOING AND SANCTIONED METRO RAIL PROJECTS BEING IMPLEMENTED ON 50:50 EQUITY SHARING JOINT VENTURE BETWEEN GOVERNMENT OF INDIA (GOI) AND THE CONCERNED STATE/ UT GOVERNMENTS RUNNING

BEHIND SCHEDULE.

<pre>
Ongoing Metro Project
(Name of State & Stretch) Approved date of completion Expected schedule
of completion Reasons for Delay Steps taken to mitigate delay
Bangalore Metro
Phase-I
(Karnataka, East West Corridor - Baiyappanahalli to Mysore Road Junction
and North South Corridor − Nagasandra to Puttenhalli) December, 2015 November,
2016 Delay in getting possession of land, shifting of uncharted utilities and delay in progressing tunneling operations due to difficult strata and in thickly populated area.

(i) Continuous and close monitoring of project activities.

(ii) Regular meeting with Police Depts. for required traffic diversions permissions.

(iii) Monitoring by High Powered Committee of respective State Government.

(iv) Prompt release of funds by stakeholders and advance payment to needy contractors to speed up the work.

Chennai Metro Rail Project
(Tamil Nadu, Corridor I from Washermanpet to Chennai Airport & Corridor II from Chennal Central to St. Thomas Mount. December, 2015 December, 2017 Due to limited availability of work sites and non-performance of some contractor leading to re-tendering.
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